



MIAMI BEACH

OFFICE OF THE CITY MANAGER

NO. LTC # 045-2013

LETTER TO COMMISSION

TO: Mayor Matti Herrera Bower and Members of the City Commission

FROM: Kathie G. Brooks, Interim City Manager

DATE: February 11, 2013

SUBJECT: Transmittal of Port of Miami Tunnel Project Update

Attached please find a copy of the combined November/December 2012 Progress Report for the Port of Miami Tunnel.

Should you have any questions or concerns, please do not hesitate to contact me.

Thank you.

KGB:pw

Attachment

C: Jorge Gomez, Assistant City Manager
Fred Beckmann, Public Works Director
Fernando Vazquez, CIP Director

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Florida Department of Transportation

RICK SCOTT
GOVERNOR

1000 NW 111 Avenue
Miami, Florida 33172-5800

OFFICE OF THE
SECRETARY

January 30, 2013

Ms. Kathie Brooks
Interim City Manager
City of Miami Beach
1700 Convention Center Drive
Miami Beach, FL 33139

RE: Port of Miami Tunnel Project
Combined Monthly Progress Report

Dear Ms. Brooks:

Enclosed for your information is a copy of the combined November/December 2012 Progress Report for the Port of Miami Tunnel.

If you or your colleagues have any questions or comments, please feel free to contact me at 305-470-5197 or via email at gus.peggo@dot.state.fl.us.

Sincerely,

Gus Pego, P.E.
District Secretary

Enclosure

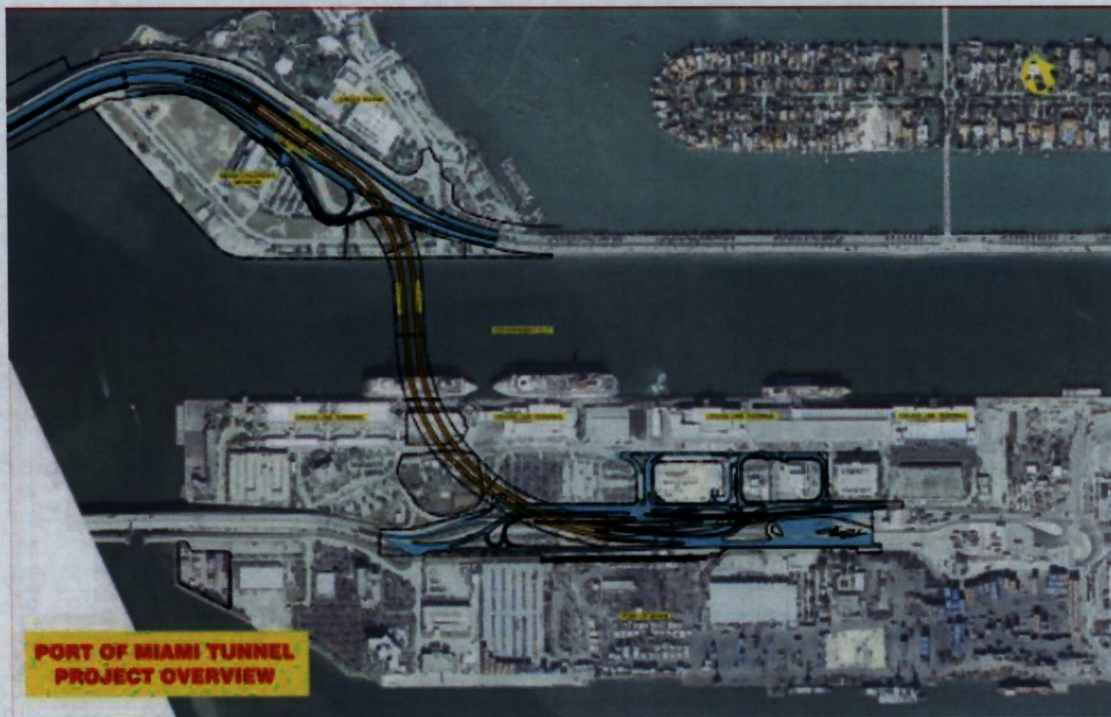
cc: The Honorable Matti Herrera Bower, Mayor (via email only)
The Honorable Jerry Libbin, Commissioner (via email only)
The Honorable Jorge Exposito, Commissioner (via email only)
The Honorable Michael Gongora, Commissioner (via email only)
The Honorable Jonah Wolfson, Commissioner (via email only)
The Honorable Edward L. Tobin, Commissioner (via email only)
The Honorable Deede Weithorn, Commissioner (via email only)



Port of Miami Tunnel Project

Combined Monthly Progress Report – November & December-2012

Design Review and Construction, Engineering and Inspection Services



Port of Miami Tunnel–November & December 2012 Combined Monthly Progress Report

PROJECT STATISTICS:

Project Information		Key Dates and Milestones	
Financial Project ID	251156-3-52-01	NTP # 1 – Design	Oct 15, 2009
Contract #	E6F67	NTP # 2 – Construction	May 24, 2010
Owner	FDOT – District 6	Percent Complete/Days Used:	66.5 % 1174 OF 1765
Owner's Engineer (Design)	PB Americas, Inc.	Construction Cost:	\$607 Million
Owner's CEI Representative	PB Americas, Inc.	Milestone Payment # 1 – design for tunnel	\$20 Million (PAID)
Concessionaire	MAT Concessionaire, LLC	Milestone Payment # 2 – TBM at work in 1 st bore	\$40 Million (PAID)
Design/Build Contractor	Bouygues Civil Works Florida (BCWF)	Milestone Payment # 3 – TBM at work in 2 nd bore	\$25 Million (PAID)
Engineer of Record	Jacobs Civil	Milestone Payment # 4 – Substantial completion of MAC	\$15 Million
Maintenance and Operator	Transfield / VMS	Milestone Payment #5– Final Acceptance	\$350 Million
Concession Agreement	35 Years	Construction Substantial Completion	May 19, 2014
Contractual Design and Construction Duration	55 Months	Construction Final Acceptance Completion	Aug 18, 2014

CONTRACTS AMENDMENTS

SA #	Date	Description	Amount	Status
1	10/25/10	Incorporation of Wage Rate Tables	\$0.00	Executed
2	09/07/11	Incorporation of E-Verify Requirements	\$0.00	Executed
3	06/28/12	Alternative Alignment - Single Portal Realignment on Dodge Island (Credit)	(\$2,500,000.00)	Executed
4		MacArthur Causeway Improvements: Bike Lane Extension, U-Turn at Watson Island & Extension of Milling & Resurfacing Limits	\$390,696.83	To include in Global Settlement
5		Relief Event No. 3: MacArthur Bridge Aluminum Bridge Handrail Retrofit	\$337,959.59	To include in Global Settlement

MILESTONE PAYMENTS:

1. Milestone No. 1: Completion of Design Work for Tunnel (\$20 Million)
 - a. Achieved on 9/30/2011
2. Milestone No. 2: Tunnel Boring Machine at Work in First Bore (\$40 Million)
 - a. Achieved on 11/19/2011
3. Milestone No. 3: Tunnel Boring Machine at Work in Second Bore (\$25 Million)

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a. Achieved on 11/2/2012

SCHEDULE

Bouygues Civil Works Florida, Inc. (BCWF) has submitted the November 20, 2012 Update and it indicates a Substantial Completion date of May 19, 2012, which exceeds the Contract Substantial Completion date of May 16, 2012. BCWF states that the delay is resulting from the impact of Tropical Storm Isaac.

DESIGN PROGRESS FOR NOVEMBER & DECEMBER 2012

The following is a summary of the design documentation received and reviewed during the months of November & December:

Watson Island

FDOT reviewed and provided comments for the following design packages:

1. MacArthur Causeway Roadway Plans Revision 7
2. Watson Island: Substation Site Lighting Design Analysis Report
3. Building Site Lighting Design Analysis Report
4. Watson Island: Cut and Cover FSB Plans

Documents submitted this month that are currently under review:

1. Watson Island: U-Walls and Cut and Cover Concrete Pavement Plans
2. Watson Island: Typical Section Package
3. Watson & Dodge Island: Building & Flood Gate Enclosure Durability Design Report
4. Watson Island Roadway: Signing & Pavement Marking Plans
5. Watson Island Roadways: MacArthur Causeway Plans – Revision
6. Watson Island Roadways: Lighting Plans
7. MacArthur Causeway Lighting Design Analysis Reports (LADR)
8. Watson Island: 90% Landscape Plans
9. Watson Island: Utility Equipment Building Plans
10. Watson Island: Operations Building Plans

Dodge Island

FDOT reviewed and provided comments for the following design packages:

1. Dodge Island Lighting Plans
2. Dodge Island Bridge: Addendum to Geotechnical Report – Pier 2 North
3. Dodge Island – Lighting Design Analysis (LDAR)
4. Dodge Island: Operations Building – Drainage Report Calculations Notes
5. Flood Gate Enclosure Specifications
6. Watson & Dodge Islands Building and Flood Gate Enclosure Durability Design Report
7. Signalization Plans and Calculations
8. Cut and Cover plans and calculations

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9. Dodge Island Retaining Wall Plans Rev.01

Documents submitted this month that are currently under review:

1. Dodge Island Sign Structures: Drill Shaft Installation Plan
2. Dodge Island: U-Walls Plans and Calculations
3. Dodge island: Construction Effects on Structures: Summary Memo of Instrumentation Data from Port Boulevard Cargo Bridge & Seaman's Center
4. Dodge Island Bridge No. 874089; Supplement to Foundation Certification Package – Bent 3
5. Dodge Island Roadways: Package 3 Plans
6. Dodge Island: Cut & Cover FSB Plans
7. Dodge Island Roadways: Signing & Pavement Marking Plans
8. Dodge Island: 90% Landscape Plans
9. Dodge Island: Vehicle Maintenance Building Plans
10. Dodge Island Portal Structures: Pre-Stressed Florida I 54 Beams - Beam Erection Plan
11. Dodge Island Sign Structures: Drill Shaft Installation Plan
12. Dodge Island: Operations Building Plans
13. Dodge Island: Utility Equipment Building Plans

Tunnel Design

FDOT reviewed and provided comments for the following design packages:

1. Tunnel Signage Design 60% Plans
2. Tunnel Ventilation Plans
3. Fire Suppression Plans
4. Tunnel Lighting Plans
5. Tunnel Electrical Service Plans
6. Tunnel Scada System Plans
7. Tunnel Structural Attachments Calculation Notes
8. ITS Plans
9. Tunnel Systems Specifications
10. Tunnel Drainage Design Report
11. Tunnel Liner Fire Proofing Technical Report
12. Tunnel Coating Technical Report
13. Pump Stations, Drainage Transfer Station & Tunnel Utility Stair Shaft Plans
14. Bored Tunnel: Low Point Pump Station (LPPS) Plans & Calculations
15. Tunnel System Calculation Notes
16. Rigid Pavement Design Report
17. Tunnel Roadway Plans
18. ITS Design Calculations
19. Tunnel Signing and Pavement Marking Plans

Documents submitted this month that are currently under review are:

1. Bored Tunnel: CP2 & CP3- Frozen Soil Testing Phase I and II Factual Reports
2. Architectural & Structural Cross Passages Plans (Re-submittal)

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3. U-Wall, Cut & Cover and Bored Tunnel: Optional Flowable Backfill
4. Offsite Signage - Existing Sign Structures Assessment Report and Survey and Field Work.

Other documents submitted and reviewed:

1. Geotechnical Instrumentation: Weekly Report Nos. 78, 79, 80, 81, 82, 83 and 84
2. Dodge Island: Sign Structure No.9- Foundation Certification Package
3. Geotechnical Instrumentation Monitoring – Monthly Report No. 11
4. Detailed Working Schedule: Monthly Status Report November 20, 2012
5. General Completion Quality Plan

Other

1. The EOR Meetings were held on 11/8 and 12/6.
2. Construction and Design Coordination Meetings were held on 11/6, 11/13, 11/27, 12/4, 12/11, and 12/18.
3. A comment resolution meeting was held on 11/29 to review outstanding comments on U-walls design for Dodge Island.
4. A comment resolution meeting was held on 12/14 to review outstanding comments on the roadway lighting design.
5. A comment resolution meeting was held on 12/20 to review outstanding comments on the mechanical, electrical and plumbing design.

CONSTRUCTION PROGRESS FOR NOVEMBER & DECEMBER 2012

The following construction activities took place in the months of November & December 2012:

Watson Island

1. The completed investigation of the Pond WA drainage issues and the subsequent test results have been submitted to the Department and are under review.
2. BCWF continues installation of utilities for Watson Island buildings.
3. Beauchamp Construction onsite for the commencement of building construction activities.
4. BCWF began preparatory work for the roadway widening for eastbound MacArthur Cswy. at the east end of MacArthur Bridge.
5. Installed drilled shaft for sign #25 in the median of I-395 west of MacArthur Bridge.

MacArthur Bridge

1. Completed pouring interior bridge deck widening from span 1 to span 8.
2. Continued installation of Stay-In-Place (SIP) forms for interior bridge deck widening from span 8 to span 15.
3. Began placing concrete bridge rail for the interior bridge widening from span 1 to span 4.
4. Continued pouring interior bridge diaphragms for phase 1 bridge construction.

Dodge Island

1. Continued construction of Europe Way, Atlantic Way and Panama Way.

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2. Continued construction of widening of North Cruise Blvd. from Panama Way west to Europe Way.
3. Installed drilled shaft for sign # 6, #9 and DMS sign #15 (south)
4. Continue installation MSE walls for new truck bridge at Bents 1 and 3.
5. Poured Pier Columns at Bent 2 on new truck bridge.
6. Continued installation of utilities for Dodge Island buildings.
7. Continue installation of cast in place retaining walls for building structure area.
8. Began construction of maintenance roadway in vicinity of old westbound Port Blvd. Bridge (cargo bridge).
9. Completed phase 2 WASD water main installation, pending Dept. of Health clearance.

Portals, Tunnels & Cross Passages

1. Westbound tunnel mining completed 1184 LF (29%) by December 31.
2. Equipment and plant for re-installations on Dodge Island to support Westbound tunnel excavation operations.
3. Ballast placement in eastbound and westbound tunnel.
4. Walkway and utility installations in EB Tunnel.
5. Concrete for U-wall structures on Watson and Dodge Island.
6. Cross Passage construction of all five cross passages.

Precast Yard

1. Concrete segment manufacturing continued, casting approximately 10,683 concrete segments (about 1,335 rings) through December 31, 2012.

ANTICIPATED CONSTRUCTION PROGRESS FOR JANUARY 2013

For the month of January 2013, BCWF has scheduled the following major construction activities:

Watson Island

1. Continue preparatory work for the roadway widening of eastbound MacArthur Cswy. east of MacArthur Bridge.
2. Continue installation of utilities for Watson Island buildings.
3. Continue building construction.
4. Begin Watson Island Building construction.

MacArthur Bridge

1. Continue interior deck widening preparation, dowel installation and installation of Stay in Place forms from span 12 to span 15.
2. Continue pouring interior deck widening sections for Phase 1 bridge widening eastbound and westbound from span 8 to span 12.
3. Continue placement of concrete bridge rail from span 4 to span 8.

Dodge Island

1. Continue construction of Europe Way, Atlantic Way and Panama Way.
2. Continue construction of new permanent South Cruise Blvd. (Tropic Dr.) from Atlantic Way to Panama Way.
3. Continue construction of North Cruise Blvd. from Panama Way east to Europe Way.

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4. Complete installation of MSE wall for old westbound Port Boulevard Bridge (Cargo Bridge).
5. Install drilled shafts for ITS sign structure 12.
6. Beauchamp Construction to begin Dodge Island building construction.

Portals, Tunnels, Cross Passages

1. TBM mining on Westbound Tunnel.
2. Equipment and plant install on Dodge Island to support use of Water Control Process (WCP) for westbound tunnel excavation.
3. Ballast in EB and WB Tunnels.
4. Walkways, utilities and fire panel installations in EB Tunnel.
5. U-Wall structure at Watson and Dodge Island Portals.
6. Cross Passage construction.

Precast Yard

1. Casting concrete segments.

EEO/DBE/OJT

EEO

Five Payroll Violations were issued on November. Twenty Eight Payroll Violations were issued during December. Payroll violations issued to the electrical contractors (Stryker and Dynalectric) are still open. USDOL will provide payroll training to BCWF on January 17, 2013. Electrical wages applicable for this project to be discussed. Payroll Violations issued to Stryker and Dynalectric are still open. Both companies are contesting FDOT's and DOL's position alleging that wage rates applied for electrical contracts under \$2M are correct. Both cases are under USDOL review.

Inspectors continue conducting EEO Labor Interviews at the field

A meeting was held on November 5th with the FDOT to discuss all outstanding issues for Modspace. After reviewing these issues, most of them are considered to be closed. A letter was sent to MAT referencing the outstanding items in regards to Modspace.

DBE

Bizweb is no longer in service. A new system has been created by FDOT with the purpose of reporting DBE payments. We are in contact with FDOT (Tallahassee) to resolve issues that our office and BCWF are encountering in the use of the new system.

OJT

As of December 31, 2012, Forty Trainees (54% of project goal) have graduated from FDOT's Training Program. There are 9 Active Trainees currently on the project. An additional four OJT trainees have successfully performed proficiency exams and are awaiting graduation from the program.

PUBLIC INFORMATION/COMMUNITY AWARENESS

The Concessionaire/Contractor continues to sponsor vendor and contractor inclusion with "Operation 305" outreach efforts with organizations such as the Miami-Dade Minority Chamber, American-Haitian Chamber of Commerce, Community Small Business Enterprise of Miami-Dade and many other organizations.

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As of July 15, 2012, 719 companies have received contracts and 325 of those are Miami-Dade County businesses that have received \$157,276,501.89 in direct contracts from the contractor.

BCWF has signed contracts totaling \$28.9M with DBE companies and continues to reach out, even after surpassing the 8.1% projected goal.

The project's outreach efforts have generated more than 6,700 jobs on the Port of Miami Tunnel Project since inception. This total number includes direct hires by the design-build contractor Bouygues Civil Works Florida (BCWF) as well as those persons working on the project through subcontractors and vendors retained by BCWF.

As of September 30th, the Project peaked at 419 employees by BCWF, of which 134 are office staff and 285 are craft workers. Based on Certified Payroll Records, the number of Davis Bacon-Related individuals (laborers, mechanics and craft workers) from BCWF's subcontractors currently active on the project is 80, bringing the total number of persons at work at the Port of Miami Tunnel Project in September 2012 to 499.

Meetings with Miami-Dade County, City of Miami and City of Miami Beach Commissioners continue on an individual and collective basis.

Union inclusion has been completed with the Laborers International and the South Florida Labor Council. IBEW, AFL-CIO and the Operators are all now part of the POMT project. The project's job website, www.build305.com, is up and running.

The Concessionaire/Contractor sponsored the following: Miami-Dade County Public Schools' Cooking up Dreams event (11/1); Miami-Dade Chamber Fundraiser Gala (12/2); Camillus House's annual holiday gala (12/8);

The Concessionaire participated in the following: WISH Foundation 5th Annual Emerald Gala and Silent Auction (11/3); Cruise Capital of the World Event at PortMiami (11/19); the Propeller Club's Annual Dinner, with the tunnel project being the main presentation of the night (12/6); IBEW's annual holiday party (12/10);

The Concessionaire/Contractor/FDOT gave a project update at the following: Miami Beach Transportation Committee (11/5) and (12/3); Miami-Dade County Harbor Safety Meeting (11/29); Miami Beach Chamber of Commerce Board of Directors Meeting (12/4);

The Concessionaire/Contractor/FDOT has been conducting site tours with various elected/appointed officials, media and general engineering professionals, including the FIU ASCE (Association of Student Civil Engineers) program (11/16); City of Miami's CRA and several members of the South Florida Legislative Delegation (12/12); Miami's DDA Executive Director Alyce Robertson (12/18).

PROJECTED COMMUNITY OUTREACH / RECRUITMENT EFFORTS:

The Concessionaire/FDOT is scheduled to present an update on January 7 to the Miami Beach Transportation Committee.

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The Concessionaire is scheduled to conduct site tour with Miami-Dade County's CTAC on January 9.

The Concessionaire will be inducted as an honorary member to the 5,000 Role Models of Excellence Non-Profit Organization during the annual MLK Breakfast on January 18.



**Photo 1. MacArthur Bridge Eastward View
Phase I Interior Beams**



Photo 2. Dodge Island Operations



Photo 3. Tunnel Portals and Spoils Pit in Dodge Island